

What I claim is:

2. A gel according to claim 1, wherein said (I) block copolymer is poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene), poly(styrene-

ethylene-propylene-ethylene-ethylene/butylene)_n, poly(styrene-ethylene-ethylene/propylene-ethylene-
ethylene/propylene-ethylene/butylene)_n, poly(styrene-ethylene-ethylene/propylene-ethylene-
ethylene/propylene-ethylene)_n, poly(styrene-ethylene-ethylene/propylene-ethylene/butylene-
ethylene/propylene-ethylene/butylene)_n or a mixture thereof.

3. A gel according to claim 1, wherein said (IV) polar polymer is ethylene-butyl acrylate, ethylene-ethyl acrylate, ethylene-methyl acrylate, ethylene-vinyl acetate, ethylene-vinyl acrylate, ethylene-vinyl alcohol, acrylonitrile-styrene-acrylate, styrene-acrylonitrile, styrene-maleic anhydride, maleated poly(styrene-ethylene-propylene-styrene), maleated poly(styrene-ethylene-butylene-styrene) or a mixture thereof.

4. A gel according to claim 1, wherein said selected (V) crystalline or non-crystalline polymer or copolymer is poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), low viscosity poly(styrene-ethylene-propylene-styrene), low viscosity poly(styrene-ethylene-butylene-styrene), high vinyl content poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene-ethylene-propylene), poly(ethylene-propylene), poly(styrene-butadiene)_n, poly(styrene-butadiene)_n, poly(styrene-isoprene)_n, poly(styrene-isoprene)_n, poly(styrene-ethylene-propylene)_n, low viscosity poly(styrene-ethylene-propylene)_n, poly(styrene-ethylene-propylene)_n, maleated poly(styrene-ethylene-butylene)_n, high vinyl content poly(styrene-ethylene-butylene)_n, poly(styrene-ethylene-propylene-styrene-ethylene-propylene)_n, poly(ethylene-propylene)_n, polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, polyphthalamide or polyurethane elastomer formed from one or more saturated hydrocarbon diols, wherein said selected block copolymer is a linear, branched, multiarm, or star shaped copolymer.

5. A gel according to claim 1, wherein said (I) copolymer of said gel is a thermoplastic polyurethane elastomer made with diisocyanates and chain extenders 2,2,4-trimethyl-1,3-pentanediol or 2-Butyl-2-ethyl-1,3-pentanediol and a saturated hydrocarbon diol, said polyurethane having one or more crystalline groups of about 22% to about 45% by weight of said elastomer and capable of exhibiting a glass transition of at least about -40°C.

6. A gel according to claim 10, wherein said hydrocarbon diols is a hydroxyl terminated oligomer of poly(ethylene-butylene) or poly(ethylene-propylene).

7. A cold weather sock for footwear formed of a gel composite of claim 1, for direct contact with the foot and capable of substantially preventing the generation moisture from said foot.

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A cold weather footwear having an outer boot, a performed sock disposed in said boot and formed of a gel composite according to claim 1 for direct contact with the foot and capable of substantially preventing the generation moisture from said foot.

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A cold weather face mask for protection of the head, face, and neck areas against low temperatures and high wind velocities made from the gel composite of claim 1 for direct contact with the head, face, and neck and capable of substantially preventing the generation moisture from said head, face, and neck and having openings for insertion and removal of one or more hydrophilic patches in selected areas covered by said mask.

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10. A cold weather body suit for protection of the body areas against low temperatures and high wind velocities made from the gel composite of claim 1 for direct contact with the body and capable of substantially preventing the generation moisture from said body and having openings for insertion and removal of one or more hydrophilic patches in selected areas of the body covered by said suit.